

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	13	("3677868"   "3791856"   "3945873"   "3963820"   "4029535"   "4149288"   "4155647"   "4291087"   "4491383"   "4540392"   "5011709"   "5261904").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/05 11:40
L5	8	("5792301").URPN.	USPAT	OR	ON	2010/11/05 11:40
L7	5	("6060681").URPN.	USPAT	OR	ON	2010/11/05 11:41
L10	36	("5886313").URPN.	USPAT	OR	ON	2010/11/05 11:42
L22	9426	(separate or separated or separating) near5 wedge	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 11:51
L23	18	22 and (laser near (weld or welded or welding))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 11:51
L24	50	22 with laser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 11:52
L25	557937	(separate or separated or separating) near5 (element or member)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 11:53
L27	797	(separate or separated or separating) with wedge with (slide or sliding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 11:56

L28	166355	("156").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/11/05 11:57
L29	3	27 and 28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 11:57
L30	9426	(separate or separated or separating) near5 wedge	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 11:57
L31	138	28 and 30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 11:57
L32	49	("1238356"   "20010030018"   "20020015814"   "20020040556"   "20020136854"   "20050067091"   "20050067092"   "3070475"   "3615994"   "3812002"   "3910145"   "3958385"   "3964232"   "3979537"   "4031854"   "4342610"   "4397898"   "4726985"   "4756945"   "4835045"   "4866905"   "4972644"   "5246760"   "5277955"   "5331787"   "5336346"   "5362539"   "5545279"   "5567504"   "5642601"   "5683037"   "5765318"   "5781976"   "5849131"   "5900298"   "6083594"   "6083603"   "6165305"   "6314771"   "6357504"   "6383594"   "6468615"   "6484463"   "6670011"   "6923883"   "6960276").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/05 11:58

L33	29	("1238356"   "3070475"   "3230995"   "3493452"   "3546846"   "3955031"   "4342610"   "4362585"   "4552793"   "4700521"   "4772499"   "5240527"   "5350663"   "5765318"   "5900298"   "5981037"   "6083594"   "6165305"   "6191057"   "6357504"   "6383594"   "6399694"   "6484463"   "6670011"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/05 11:59
L34	12	("2860768"   "3624161"   "3819039"   "4032689"   "4035538"   "4426818"   "4756945"   "5765318"   "6185895"   "6378258"   "6383594").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/05 11:59
L35	168711	("219").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/11/05 12:05
L36	50	35 and 30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 12:05
L37	22	("3866642"   "4273127"   "4281696"   "4469931"   "4627435"   "4650955"   "4807623"   "4887219"   "4907632"   "4941100"   "4943700"   "5038481"   "5065515"   "5099896"   "5375495"   "5381712"   "5382772"   "5533266"   "5538056"   "5578229"   "5859405"   "6294757"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/05 12:06
L38	3	("3571559").URPN.	USPAT	OR	ON	2010/11/05 12:07
L39	12	("3571559"   "3741416"   "3769124"   "3879254"   "4044715"   "4175998"   "4368093"   "4461662"   "4529569"   "4533423"   "4598001"   "4608103"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/05 12:07

L40	7	"3902292"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 12:14
L41	13	"3630889"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 12:15
L42	4	("4237363"   "4315132"   "4354090"   "4675489"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/05 12:17
L43	12	("4769522").URPN.	USPAT	OR	ON	2010/11/05 12:17
L44	2394	spreading near (roll or roller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 12:20
L45	8	44 with laser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 12:20
L46	17	44 same laser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 12:21
L47	9	46 not 45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 12:21
L48	20	44 and 35	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 12:21
L49	9972	separating near (roll or roller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 12:22

L50	75	35 and 49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 12:22
L53	52	28 and (wedge with (split or splitting))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 12:30
L54	528	wedge with prism with laser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 12:31
L56	21	35 and 54	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 12:32
L57	2	28 and 54	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 12:33
L58	162	wedge with prism with laser	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/05 12:33
L59	8	("2084625"   "2387566"   "3016085"   "3400245"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/05 14:08
L60	9	("3016085").URPN.	USPAT	OR	ON	2010/11/05 14:09
L61	6	("3400245").URPN.	USPAT	OR	ON	2010/11/05 14:12
S1	6	"3813570"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 10:35
S2	2	("5792301").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/11/03 10:37

S3	3	("4540392").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/11/03 10:38
S4	2	("6060681").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/11/03 10:40
S5	5	("6060681").URPN.	USPAT	OR	ON	2010/11/03 10:41
S6	189	"200098"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 10:48
S7	22	"622150"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 10:48
S8	3	"58103988"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 10:49
S9	4	"06182571"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 10:50
S16	51462	laser near5 (weld or welded or welding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 13:30
S17	997842	spread or spreading or seperate or seperated or seperating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 13:31

S20	150	S16 and (S17 same laser) and flange	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 13:32
S21	739	S16 and (S17 same laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 13:36
S22	59	S16 and (S17 same laser)	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 13:36
S23	6587186	spread or spreading or separate or separated or separating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 13:38
S27	23	S16 same S23 same flange	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 13:39
S29	774	S16 and S23	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 13:40
S30	20749	S16 and S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 13:41
S31	166271	("156").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/11/03 13:41
S32	480	S30 and S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 13:41
S33	43	S16 same S23 same (press or pressed or pressing)	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 13:41

S34	114	(laser near beam) same S23 same (press or pressed or pressing)	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 13:43
S35	567	(laser near beam) same S23 same (press or pressed or pressing)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/03 13:46
S36	31	S31 and S35	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/03 13:46
S38	157	laser with S23 with wedge	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 13:47
S39	134180	wedge near (shape or shaped or shaping)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 14:09
S40	929	S39 with laser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 14:09
S41	90	S16 and S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 14:10
S42	8	("4744615"   "4912297"   "4963714"   "5068515"   "5306890"   "5414559"   "5548444"   "5705788"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/03 14:13
S43	36	("5886313").URPN.	USPAT	OR	ON	2010/11/03 14:13
S44	302	S39 with (roll or roller) with S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 14:24
S45	7	S31 and S44	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 14:24



S46	168678	("219").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/11/03 14:25
S47	4	S44 and S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 14:25
S48	8	("2084625"   "2387566"   "3016085"   "3400245"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/03 14:25
S49	3	("3571559").URPN.	USPAT	OR	ON	2010/11/03 14:26
S50	5955	S39 with S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 14:29
S51	102	S31 and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 14:29
S54	393	wheel with wedge with S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 14:53
S55	63	wheel near4 wedge near4 S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 14:53
S56	3527	S23 near wedge	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 14:54
S57	62	S31 and S56	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 14:54

S58	36	("2250602"   "2484566"   "2814710"   "2960592"   "3408242"   "4146419"   "4204904"   "4238665"   "4239581"   "4313780"   "4354893"   "4440588"   "4447288"   "4460433"   "4504352"   "4533423"   "4642155"   "4695335"   "4725328"   "4737213"   "4743332"   "4744855"   "4747903"   "4806194"   "4834828"   "4855004"   "4872941"   "4894112"   "4913772"   "4923559"   "5290390").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/03 15:01
S59	19	S46 and S56	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 15:02
S60	8467	S23 near wheel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 15:04
S61	76	S31 and S60	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 15:04
S62	192	(overlap or overlapped or overlapping) with S23 with wedge	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 15:09
S65	2840	(spread or spreading) adj (roll or roller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 15:12
S66	20	S46 and S65	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 15:13

S67	175	S31 and S65	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 15:13
S68	93	S65 with (separate or separated or separating)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 15:15
S69	272	wedge with (spread or spreading) with (separate or separated or separating)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 15:16
S70	3	S31 and S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 15:16
S71	1668	wedge with (open or opened or opening) with (separate or separated or separating)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 15:17
S72	19	S31 and S71	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 15:17
S73	0	("4540392"   "5792301"   "6060681"). PN.).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/11/03 15:22
S74	7	("4540392"   "5792301"   "6060681").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/03 15:22
S75	8	("2084625"   "2387566"   "3016085"   "3400245"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/03 15:28
S76	3	("3571559").URPN.	USPAT	OR	ON	2010/11/03 15:29

S77	8	("5792301").URPN.	USPAT	OR	ON	2010/11/03 15:32
S78	17	("4452533"   "4540392"   "4912297"   "5011709"   "5212707"   "5228050"   "5279693"   "5580413"   "5690775"   "5698066"   "5705788"   "5715270"   "5764675"   "5792301"   "5808803"   "5886313"   "6096164").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/03 15:33
S79	12	("4540392").URPN.	USPAT	OR	ON	2010/11/03 15:34
S80	2	("5030493").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/11/03 16:26
S81	12	("3388016"   "3531345"   "3847722"   "4519856"   "4552183"   "4723579"   "4774937"   "4824500"   "4853165"   "4968542"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/03 16:27
S82	2	("5102629").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/11/03 16:56
S83	2	("5667881").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/11/04 09:07
S84	2	("20080283192").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/11/04 09:49
S85	2	("5102629").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/11/04 10:00
S86	8	("2084625"   "2387566"   "3016085"   "3400245"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 10:22

S87	9	("3016085").URPN.	USPAT	OR	ON	2010/11/04 10:23
S88	3	("3571559").URPN.	USPAT	OR	ON	2010/11/04 10:24

**EAST Search History (I nterference)**

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**11/ 5/ 10 3:02:12 PM**

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